

in

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Shu-Yu (Rain) Lin

🔒 · 1st

Seeking full-time opportunities | M.S. ECE at UMich | Former Intern at Intel Corporation | Embedded Software / Firmware / Firmware Validation / Design Verification


M

• University of Michigan

Bellevue, Washington, United States · [Contact info](#)

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 Xiao SUN, Yiyun Qiu, and 2 other mutual connections

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Open to work


Software Engineer, Firmware Engineer, Embedded Software Engineer, Syste...

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Highlights

 You both worked at RealM

You both worked at RealM in June 2024

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About

M.S. Electrical and Computer Engineering, University of Michigan 2023/8 - present

B.S. Electrical Engineering, National Taiwan University(NTU) 2018/9 - 2023/1

...

...see more

💎 Top skills

Shell Scripting · Python · Embedded Systems · C (Programming Language) · C++

→

Services

Custom Software Development · Application Development · Software Testing

https://www.linkedin.com/in/shu-yu-lin-ntuee/

1/7

• Developed an iOS app for object capture, indoor scene reconstruction, and room plan construction using SwiftUI and RealityKit framework.

Node.js, AWS EC2 and +7 skills



Embedded Software Engineer Intern

MIH | Mobility in Harmony · Internship

Sep 2022 - Jan 2023 · 5 mos

• Researched Scheduling and Task Management of RTA-OS3.1 for Automotive electrical and electronic architecture (EEA) devel ...see more

NXP, Embedded Systems and +5 skills



Undergraduate Researcher

National Taiwan University

Sep 2021 - Jan 2023 · 1 yr 5 mos

Media IC & System Lab

• Studied Federated Learning and ReID techniques. Conducted experiments based on Selective Knowledge Aggregation and develop...

Computer Vision, PyTorch and +2 skills



Federated Re-ID
Project Website



Data Center HW Platform Application Engineer Intern

Intel Corporation · Internship

Jul 2021 - Jun 2022 · 1 yr

• Contributor of Highly Efficient Automatic PCIe Validation Tool Kit, reduced Linux testing environment setup time from 5 minutes ...see more

Git, Unix and +11 skills



Undergraduate Researcher

National Taiwan University

Sep 2020 - Feb 2021 · 6 mos

MicroSystem Research Laboratory (MSRL)

• Studied Quantization of Convolutional Neural Network in PyTorch.
• Designed pipelined multi-input format Convolution Multiply Accumula...

C++, PyTorch and +2 skills

Show all 6 experiences →

Education



University of Michigan

Master of Science, Electrical and Computer Engineering

Aug 2023 - Apr 2025

Coursework:
- EECS473 Advanced Embedded Systems ...

Real-Time Operating Systems (RTOS), Embedded Software and +10 skills



National Taiwan University

Bachelor of Science, Electrical Engineering

Sep 2018 - Jan 2023

Presidential Award in 2018 Fall
...

STM32, C (Programming Language) and +4 skills

Licenses & certifications



TOEFL 105/120
ETS
Issued Sep 2022 · Expired Sep 2024

Skills

Build Automation

 Data Center HW Platform Application Engineer Intern at Intel Corporation

Endorse

Chip Architecture

Computer Architecture

Endorse

Show all 79 skills →

Courses

Advanced Embedded Systems

EECS 473
 Associated with University of Michigan


Algorithms

EE4033
 Associated with National Taiwan University

Show all 27 courses →

Honors & awards


Presidential Award


Issued by National Taiwan university · Apr 2019
 Associated with National Taiwan University

This award is given each semester to students ranking within the top 5% of their class

Interests

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Hua-Ta Liang · 2nd
UIUC MEng Student in Autonomy & Robotics | Actively Seeking 2025 Internship or Full-Time Roles as a Robotics/AI/Software Engineer or...

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Cheng-Yen Hsieh · 2nd
CMU RI | ML Research Scientist | AI for Science | Computer Vision

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Yuhao Zhou · 3rd
University of Michigan ECE Master Candidate | Seeking Full-time Opportunities in Power Electronics & Semiconductor | Skilled in TCAD,...

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Pin-Lun (Byron) Hsu · 3rd
Member of Technical Staff @xAI

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Tsen-Yen Hsiao · 2nd
MS ECE at University of Michigan | Actively Seeking 2025 Full-time RTL Design

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Lifelong Learner – Managing Business Agility, Risk & Disruption with Lightweight Adaptable Governance & Flow Engineering Methods

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Freddie (Faham) Nazir · 2nd
Making it easier for entrepreneurs to find best Engineers - Always Hiring Engineers! 🚀🚀🚀

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Shawn Moore · 2nd
Sales Professional

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People you may know
From Shu-Yu's school



Paul Podsiadlo
Catalyst Development Expert in Catalyst Center of Excellence, Chemicals and Sustainability

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Peter Valdez
Chemical Engineer and Analyst at Pacific Northwest National Laboratory

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Hongbo Zhu
Senior Chemist at Eastman

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Process Chemist | Group Leader

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Stephen Raiman
Assistant Professor of Nuclear Engineering at University of Michigan

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